Nikon

F80

Experience the passion of photography

- Nikon's exclusive cross-ranged, five area autofocus sensor (Multi-CAM 900 sensor)
- Three AF Area modes: Dynamic AF, Closest-subject-priority Dynamic AF and Single Area AF
- Lock-On™ autofocus operation
- Vari-Brite Focus Area display provides at-a-glance AF-area confirmation
- 3D Matrix Metering using 10-segment Matrix sensor
- Center-Weighted Metering and Spot Metering
- Four exposure modes: P with Flexible Program, S, A and M
- Built-in Speedlight: guide number 12 (ISO 100, m); 28mm lens coverage
- 3D Multi-Sensor Balanced Fill-Flash with five-segment TTL Multi Sensor
- Built-in AF-Assist Illuminator
- QD (F80D) and Data Imprint (F80S) versions
- On-Demand Grid Lines can be displayed in viewfinder (with Custom setting #4)
- 18 Custom Settings (19 with F80S)

Nikon F80 is sold as Nikon N80 in the U.S.

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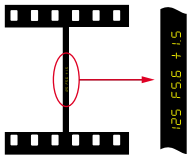
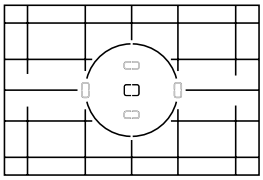
1. Depth-of-field preview button
2. Sub-Command Dial
3. Power switch
4. Release socket
5. Shutter release button
6. Flash output level compensation button
7. LCD illuminator/Film rewind button
8. Exposure compensation button
9. LCD panel
10. Self-timer/AF-Assist Illuminator/ Red-Eye Reduction lamp
11. Accessory shoe
12. Exposure mode/Custom Setting/ISO film speed select dial
13. Film advance mode selector
14. Film advance mode selector lock release
15. Speedlight lock-release button
16. Camera back lock release lever
17. Lens release button
18. Focus mode selector
19. Tripod socket
20. Focus area selector lock lever
21. Focus area selector
22. AF Area mode selector
23. Film confirmation window
24. Auto Exposure Bracketing button
25. Flash sync mode/Film rewind button
26. Diopter adjustment lever
27. AE-L/AF-L button
28. Metering system dial
29. Main-Command Dial
30. Battery chamber cover lock release

QD and Data Imprint versions

The F80 is available in a standard version, and a QD version (F80D) that allows you to print the date or time, and a special QD version (F80S) that also imprints exposure data between frames.*

*The camera's film advance speed slows down when exposure data imprinting is selected.





On-Demand Grid Lines displayed in viewfinder

A new Nikon Advanced Focusing Screen Display allows the superimposition of On-Demand Grid Lines. These horizontal and vertical lines assist in determining compositional balance and are also helpful for shooting architectural photography or landscapes that includehorizons. (Activated via Custom Setting #4.)

Complete control at your fingertips

Electronic depth-of field preview button

This lets you confirm the zone of sharpest focus (in all exposure modes) before shooting.

Exposure mode/Custom Setting/ISO film speed select dial

With this dial, you can select the F80's exposure modes (P, S, A, M) and control the Custom Settings and film speed settings (DX auto or manual).

Diopter adjustment

Enables near- or far-sighted photographers to adjust the eyepiece diopter from -1.8 to +0.8m^{-1}.

Film advance modes

Single (S) and Continuous (C) are available. When using Continuous Servo AF mode with C film advance mode, the F80 delivers a film advance speed of approximately 2.5 fps.

Top deck LCD panel

The easy-to-see LCD panel gives you at-a-glance access to vital information. It can be illuminated for viewing in dim light.

Two Command Dials

Use the Main-Command Dial to select the shutter speed when using Shutter-Priority Auto or Manual, and a range of other camera settings. The Sub-Command Dial allows you to select aperture with Aperture-Priority Auto or Manual. Custom Setting #12 lets you switch the functions of the two Command Dials.

35mm [135] Format SLR Camera F80 / Specifications

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Type of camera: Integral-motor autofocus 35mm single-lens reflex with electronically controlled focal-plane shutter and built-in Speedlight

Exposure modes: **P**: Auto-Multi Program (Flexible Program possible); **S**: Shutter-Priority Auto; **A**: Aperture-Priority Auto; **M**: Manual

Picture format: 24 x 36mm (standard 35mm film format)

Lens mount: Nikon F mount (with AF coupling, AF contacts)

Lens: D-type and G-type AF Nikkor: All functions possible; PC Micro-Nikkor 85mm f/2.8D: All functions except autofocus and exposure modes other than Manual possible without shifting and/or tilting the lens; AF Nikkor other than D-type (except AF Nikkor for F3AF): All functions except 3D Matrix Metering possible; AI-P Nikkor: All functions except 3D Matrix Metering and autofocus possible; IX-Nikkor: Cannot be used; Non-CPU: Usable in Manual exposure mode (exposure meter cannot be used); Electronic Rangefinder usable with lens with maximum aperture of f/5.6 or faster

Viewfinder: Fixed eye-level pentaprism, built-in diopter adjustment (–1.8 to +0.8m^{-1})

Eyepoint: 17mm (at –1.0m^{-1})

Focusing screen: Clear Matte Screen II with focus brackets and On-Demand Grid Lines able to display

Viewfinder frame coverage: Approx. 92%

Finder magnification: Approx. 0.75x with 50mm lens set to infinity (at -1.0m^{-1})

Viewfinder information: Focus indications, metering system, AE lock, shutter speed, aperture, exposure mode, electronic analogue exposure display/exposure compensation display, exposure compensation, frame counter/exposure compensation value, ready-light, multiple exposure, focus area, flash exposure compensation, five sets of focus brackets (area)/Spot Metering area, 12mmø reference circle for Center-Weighted metering, On-Demand Grid Lines able to display

Reflex mirror: Automatic, instant-return type

Lens aperture: Instant-return type, with depth-of-field preview button

Autofocus: TTL phase detection, Nikon Multi-CAM900 autofocus module; Detection range: EV –1 to EV 19 (ISO 100, at normal temperature)

Lens servo: Single Servo AF (**S**), Continuous Servo AF (**C**), Manual focus (**M**); Focus Tracking automatically activated in subject's status in Single Servo AF (**S**) or Continuous Servo AF (**C**)

Focus area: One of five focus areas can be selected

AF Area modes: Single Area AF and Dynamic AF (Dynamic AF Mode with Closest Subject Priority is available)

Focus lock: Focus is locked by pressing AE-L button or lightly pressing shutter release button in Single Servo AF

Metering system: TTL full-aperture exposure metering system; Three metering systems selectable (limitations with lens used): 3D Matrix Metering; Center-Weighted Metering: Approx. 75% of the meter's sensitivity concentrated on the 12mm dia. circle; and Spot Metering: 4mm dia. circle (approx. 1% of entire frame)

Metering range: 3D Matrix Metering: EV 0-21; Center-Weighted Metering: EV 0-21; Spot Metering: EV 3-21 (at normal temperature, ISO 100, 50mm f/1.4 lens)

Exposure meter coupling: CPU

Exposure compensation: Exposure compensated in ±3 EV range, in 1/2 steps

Auto Exposure Lock: Detected exposure value locked by pressing AE-L button

Auto Exposure Bracketing: Bracketing range: ±2 EV; Number of shots: two or three; Bracketing steps: 0.5, 1, 1.5 or 2 EV

Film speed setting: DX or manual selectable; Film speed range: DX: ISO 25-5000, Manual: ISO 6-6400 in 1/3 steps

Shutter: Electronically controlled vertical-travel focal-plane shutter

Release terminal: Available on the shutter release button

Shutter speeds: In **P**, **A**: 30 to 1/4000 sec.; In **S**: 30 to 1/4000 sec. (in 1/2 steps); In **M**: 30 to 1/4000 sec. (in 1/2 steps), buLb

Sync contact: X-contact only; flash synchronization up to 1/125 sec.

Built-in Speedlight: Activated by pressing Speedlight lock-release button, guide number: 12 (at ISO 100, m); flash coverage: 28mm or longer lens; film speed range: ISO 25 to ISO 800

Flash control: Controlled by five-segment TTL Multi Sensor Automatic Balanced Fill-Flash with TTL Multi Sensor: 3D Multi-Sensor Balanced Fill-Flash compatible with built-in Speedlight, SB-28/28DX, 27, 26, 25 and D-type Nikkor lens; Multi-Sensor Balanced Fill-Flash with built-in Speedlight or Speedlight such as SB-29, 28/28DX, 27, 26, 25, 24, 23, 22s, 22, 20 and AF Nikkor other than D-type or Ai-P Nikkor lens (except for AF Nikkor for F3AF)
Standard TTL: With built-in Speedlight, SB-29, 28/28DX, 27, 26, 25, 24, 23, 22s, 22, 20 and non-CPU Nikkor lens; or with built-in Speedlight, SB-29, 28/28DX, 27, 26, 25, 24, 23, 22s, 22, 20 and exposure mode set to manual or metering system to Spot

Flash sync mode: Front-Curtain Sync (normal sync), Red-Eye Reduction, Red-Eye Reduction with Slow Sync, Slow Sync, Rear-Curtain Sync

Ready-light: Lights up when flash fully charged with built-in Speedlight, SB-28/28DX, SB-27, SB-26, SB-23, etc.; blinks (3 sec. after flash) for full output warning

Accessory shoe: Standard ISO-type hot-shoe contact (sync contact, ready-light contact, TTL auto flash contact, monitor contact, GND), safety lock provided

Self-timer: Electronically controlled; timer duration: 10 sec.

Depth-of-field preview button: Stop-down lens aperture by pressing depth-of-field preview button

Film loading: Film automatically advances to first frame when camera back is closed (shutter and reflection mirror not activated)

Film advance: Automatic advance with built-in motor; S, selectable; Film advance speed (with Manual focus, Manual exposure mode, shutter speed 1/125 sec. or faster [imprint data between film frames not selected for F80S], 36-exposure film): S: One frame advance; : Continuous shooting, Approx. 2.5 fps (3V lithium batteries)

Film rewind: Automatic rewind with built-in motor; Rewind speed with 36-exposure film and 3V lithium batteries: High-speed film rewind: approx. 15 sec., Quiet film rewind: approx. 23 sec.

Multiple exposure: Activated using film advance mode dial

LCD panel information (illuminator built-in): DX indication, shutter speed/exposure compensation value, aperture, exposure compensation, flash exposure compensation, Auto Exposure Bracketing, Bracketing bar graphs, Custom, Flexible Program, flash sync mode, AF Area mode, focus area, battery power, frame counter

Date/time imprint function (F80D/F80S only): Built-in clock: 24-hour type with timing accuracy within ±90 seconds a month; leap year adjustment until 2049; Usable film: ISO 32 to 3200 DX-coded film; Display mode: Year/Month/Day, Day/Hour/Minute, No Imprint, Month/Day/Year and Day/Month/Year

Shooting data imprint function (F80S only): Selected/canceled with shooting data imprint dial; Imprinted data: Shutter speed, aperture and exposure compensation value (selected compensation value); Imprinted location: Between film frames

Camera back: Hinged back with film confirmation window; AF Area mode selector, focus area selector; F80D/F80S: Data imprint LCD panel/buttons; F80S: Shooting data imprint dial

Power source: Two 3V CR123A or DL123A lithium batteries; optional Battery Pack MB-16 is also available (for four AA-type alkaline, lithium, NiCd or Ni-MH batteries)

Power switch: Power ON and OFF position

Exposure meter: Auto meter shut-off 6 sec. after power turned on if no operations are performed; activated by lightly pressing shutter release button after power is turned off

Battery power confirmation: In LCD panel, with exposure meter on; for sufficient power; indicates batteries are nearing exhaustion; Blinking indicates batteries are just about exhausted

Usable number of 36-exposure film rolls (without flash/ with flash for half of all exposures):

	at 20°C (68°F)	at –10°C (14°F)
Two 3V lithium	Approx. 50/15	Approx. 35/10
With MB-16		
Four AA-type alkaline	Approx. 45/10	Approx. 5/2
Four AA-type lithium	Approx. 90/30	Approx. 65/18
Four AA-type Ni-Cd	Approx. 20/5	Approx. 8/3
Four AA-type Ni-MH	Approx. 25/15	Approx. 20/5

For autofocus operation using an AF Zoom-Nikkor 28-80mm f/3.5-5.6D lens, covering the full range from infinity (∞) to the closest distance and back to infinity (∞) before each shot, with a shutter speed of 1/125 sec. or faster.

Duration of Long Time (Bulb) exposure: Approx. 6 hours (using two 3V lithium batteries at 20°C/68°F)

Tripod socket: 1/4 (diameter, JIS standard)

Custom Setting: 19 (F80S) or 18 (F80/F80D) Custom Setting menus are available

Two-Button Reset: Pressing the BKT and WB buttons simultaneously and holding them for more than 2 sec. resets various settings to their initial settings (with some exceptions)

Dimensions (W x H x D): F80: Approx. 141.5 × 98.5 × 71mm or 5.6 x 3.9 x 2.8 in.; F80D: Approx. 141.5 × 98.5 × 71.5mm or 5.6 x 3.9 x 2.8 in.; F80S: Approx. 141.5 × 98.5 × 73.5mm or 5.6 x 3.9 x 2.9 in.

Weight (without batteries): F80: Approx. 515g or 18.1 oz.; F80D: Approx. 520g or 18.3 oz.; F80S: Approx. 525g or 18.5 oz.

Optional exclusive accessories: Battery Pack MB-16, Soft case CF-59/60

Infrared film cannot be used with this camera, because the F80 detects the film perforation with an infrared ray.
The viewfinder will be dark without battery power but brightens after installation of fresh batteries. This is not a malfunction.

All specifications apply when fresh batteries are used at normal temperature (20°C/68°F).
Specifications and designs are subject to change without any notice or obligation on the part of the manufacturer.
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